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## PATENT ABSTRACTS OF JAPAN

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**YAMAKAWA KENJI**(54) **IMAGE FORMING APPARATUS**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain an image forming apparatus which holds equal size and small color misalignment and constitutes an image of high quality level.

**SOLUTION:** The image forming apparatus comprises a plurality of laser drivers 109 and a laser diode 101, and generates a plurality of beams. The beams are detected by laser detecting sensors 105, 106 of two positions in one main scanning of the plurality of beams, and detection signals DETP1, DETP2 are output to a write clock generator 107. The generator 107 measures the number of the counts of predetermined clocks based on the signals DETP1, DETP2. The number of the measured counts is compared with the number of reference counts, the frequency of the write clock CLK0 is so corrected that the number of the measured counts substantially coincides with the number of the reference counts, and output. The change of the scanning speed due to the influence of the temperature change is corrected by the above correction.

